

LArSoft - Bug #16208

DumpMCTruth module crashes with a segmentation fault

04/14/2017 09:42 AM - Gianluca Petrillo

| | | | |
|------------------------|----------------------|------------------------|------------|
| Status: | Closed | Start date: | 04/14/2017 |
| Priority: | Normal | Due date: | |
| Assignee: | Gianluca Petrillo | % Done: | 100% |
| Category: | Data products | Estimated time: | 2.00 hours |
| Target version: | | Spent time: | 1.00 hour |
| Occurs In: | v06_31_00, v06_32_00 | Co-Assignees: | |
| Experiment: | - | | |

Description

This has been observed on an input file produced by prodgenie_bnb_nu_cosmic_uboone.fcl (MicroBooNE) using the configuration dump_mctruth.fcl provided with larsim.
The crash is a segmentation fault on the analyze() method of the module.

Associated revisions

Revision 39f86e7d - 04/14/2017 01:19 PM - Gianluca Petrillo

Fixed bug (issue #16208).

Revision 0e75870a - 04/14/2017 01:19 PM - Gianluca Petrillo

Fixed bug (issue #16208).

History

#1 - 04/14/2017 09:43 AM - Gianluca Petrillo

- Status changed from New to Assigned

- Estimated time set to 2.00 h

#2 - 04/14/2017 02:12 PM - Gianluca Petrillo

- Status changed from Assigned to Resolved

- % Done changed from 0 to 100

It turns out the code was saving a provenance pointer from art::Handle::provenance(), which turns out to be pointing to a local data member of art::Handle.

The idea in the code was to gain access to provenance information without keeping the handles available, which was obviously not going to work. Since in the end there was only a single piece of information needed from the provenance, now the code saves that piece of information directly rather than carrying the provenance structure around.

Fix has been pushed to develop as [larsim:39f86e7d231e1dd6ffe33b97edf7dba368f14430](https://larsim.cern.ch/commit/39f86e7d231e1dd6ffe33b97edf7dba368f14430).

#3 - 06/14/2017 01:42 PM - Katherine Lato

- Status changed from Resolved to Closed